

IN THE CLAIMS:

1-13. (Canceled)

14. (Original) A liquid crystal display apparatus comprising:

a pair of substrates having electrodes and vertical alignment layers;

a liquid crystal having a negative anisotropy of dielectric constant and inserted between said pair of substrates;

alignment control structures arranged in each of said pair of substrates for controlling alignment of the liquid crystal;

each of said alignment control structures comprising a plurality of constituent units; and

the constituent units of the alignment control structures of one substrate and the constituent units of the alignment control structures of the other substrates being arranged alternately on one line, as viewed in the direction normal to one substrate.

15. (Original) A liquid crystal display apparatus as described in claim 14, characterized in that the alignment control structures comprise linearly arranged structures, and the constituent units of the linearly arranged structures of one substrate and the constituent units of the linear wall structures of the other substrate are arranged alternately with one pixel.

16. (Original) A liquid crystal display apparatus as described in claim 14, characterized in that the alignment control structures comprise linearly arranged structures, and each linearly arranged structure has a plurality of constituent units in one pixel, and the linearly arranged structures are arranged substantially symmetrically in one pixel.

17. (Original) A liquid crystal display apparatus as described in claim 14, characterized in that said means for forming boundary of alignment comprise partial transverse enlargement of the alignment control structures.

18-27. (Canceled)

28. (Original) A liquid crystal display apparatus comprising:  
a pair of substrates having electrodes and vertical alignment layers;  
a liquid crystal having a negative anisotropy of dielectric constant and inserted between said pair of substrates;  
alignment control structures arranged in each of said pair of substrates for controlling alignment of the liquid crystal; and  
auxiliary structures formed on at least one of said pair of substrates between the alignment control structures of said pair of substrates as viewed in the direction normal to said pair of substrates.

29. (Original) A liquid crystal display apparatus as described in claim 28, characterized in said alignment control structures comprise linearly arranged structures, and that said auxiliary structures are arranged at predetermined pitches along the linearly arranged structures.

30. (Original) A liquid crystal display apparatus as described in claim 28, characterized in that said auxiliary structures have a shape long in the direction perpendicular to the linearly arranged structures.

31. (Original) A liquid crystal display apparatus comprising;  
a pair of substrates having electrodes and vertical alignment layers;  
a liquid crystal having a negative anisotropy of dielectric constant and  
inserted between said pair of substrates;  
alignment control structures arranged in each of said pair of substrates  
for controlling alignment of the liquid crystal; and  
liquid crystal inclined alignment control means arranged between the  
alignment control structures of said pair of substrates in which a parameter changes in one  
direction from one of the alignment control structures.

32. (Original) A liquid crystal display apparatus as described in claim 31,

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Express Mail No. EL846179007US

characterized in that said parameter includes at least one of a height of the linearly arranged structures, a period of the linearly arranged structures, a dielectric constant of the linearly arranged structures and an accumulated value of a time constant due to a resistor and a capacitor of a pixel electrode.